

Converting Colors

XYZ(49.9675, 61.7731, 21.6649)

Have a look what the booklet for
XYZ(49.9675, 61.7731, 21.6649)
contains.

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Color

**XYZ(50.1935, 62.0571,
21.6447)**

Conversions

Conversions Part 1

Format	Color
Hex	C6D865
RGB	198, 216, 101
RGB Percent	78%, 85%, 40%
CMY	0.2235, 0.1529, 0.6039
CMYK	0.08, 0.00, 0.53, 0.15
HSL	69°, 60%, 62%
HSV	69°, 53%, 85%
XYZ	50.1935, 62.0571, 21.6447
YIQ	197.5080, 26.1870, -39.5810

Conversions

Conversions Part 2

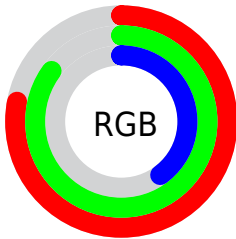
Format	Color
RYB	101, 216, 119
Decimal	13031525
CIELab	82.94, -22.33, 53.87
CIELCh	83, 58.315, 112.519
Yxy	62.0571, 0.3749, 0.4635
Android (android.graphics.Color)	4291221605 (0xFFC6D865)
YUV	197.5080, -47.5784, 0.4315
Hunter-Lab	78.7763, -24.1247, 38.8528

Details

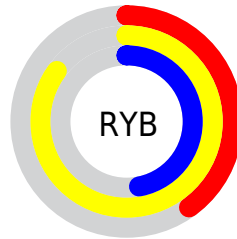
The XYZ color **50.1935, 62.0571, 21.6447** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.6584, 18.1888, 67.1806**, and the grayscale version is **53.6476, 56.4414, 61.4647**.

A 20% lighter version of the original color is **82.9164, 95.1466, 45.0053**, and **24.4337, 31.4539, 7.5797** is the 20% darker color. If you saturate the color by 10%, you get **48.3902, 61.2362, 16.7436**, and if you desaturate by 10%, it is **52.2978, 63.0052, 28.0140**.

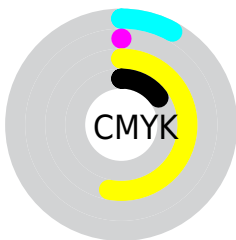
Distribution



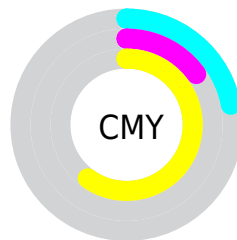
- Red (78%)
- Green (85%)
- Blue (40%)



- Red (40%)
- Yellow (85%)
- Blue (47%)



- Cyan (8%)
- Magenta (0%)
- Yellow (53%)
- Black (15%)



- Cyan (22%)
- Magenta (15%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1935, 62.0571, 21.6447 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.1935, 62.0571, 21.6447 by changing the saturation by 10% instead.

■ 50.1935, 62.0571,
21.6447

■ 50.1935, 62.0571,
21.6447

377.8617,
432.1393, 273.5779

■ 35.7856, 45.0788,
13.4003

■ 89.6516, 107.8081,
47.0527

■ 24.4380, 31.5195,
7.5708

■ 115.4325,
137.3495, 65.0533

■ 15.7853, 20.9948,
3.7377

■ 145.7352,
171.8475, 87.1431

■ 9.4623, 13.1202,
1.4826

■ 180.9249,
211.6865, 113.7405

■ 5.1034, 7.5114,
0.2049

221.3671,
257.2507, 145.2642

■ 2.3435, 3.7839,
0.0000

267.4270,

■ 0.8168, 1.5534,

308.9247, 182.1326

0.0000

319.4701,
367.0928, 224.7643

0.0000, 0.3259,
0.0000

0.0000, 0.0000,
0.0000

50.1935, 62.0571,
21.6447

50.1935, 62.0571,
21.6447

48.3902, 61.2362,
16.7436

52.2978, 63.0052,
28.0140

46.8611, 60.5250,
13.1893


54.7186, 64.0800,
35.9523


45.5818, 59.9159,
10.8478


57.4757, 65.2916,
45.5560


44.5210, 59.3966,
9.5554


60.5858, 66.6468,
56.9126


 43.8925, 59.0822,
9.0906

 64.0645, 68.1517,
70.1036

 67.9263, 69.8123,
85.2054

 72.1852, 71.6341,
102.2900

 73.6760, 72.3511,
104.6898

 74.7412, 72.9002,
104.7396

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.1898, 62.0571, 19.5207



50.1935, 62.0571, 21.6447



41.7910, 62.0571, 33.5673

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.1935, 62.0571, 21.6447



45.4517, 62.0571, 138.8239



86.3721, 62.0571, 76.9985

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.1935, 62.0571, 21.6447



24.6584, 18.1888, 67.1806

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3426, 62.0571, 119.1130



50.1935, 62.0571, 21.6447



55.8891, 62.0571, 162.1901

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.1935, 62.0571, 21.6447



39.3372, 62.0571, 97.7351



68.7439, 62.0571, 153.9199



84.2758, 62.0571, 44.3534

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.1935, 62.0571, 21.6447



38.7844, 62.0571, 48.8191



68.7439, 62.0571, 153.9199



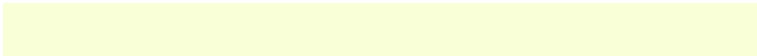
85.2021, 62.0571, 90.5947

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.1950, 62.0599, 21.6460



86.8519, 96.4538, 77.7922



37.1780, 28.5561, 15.8652



18.3860, 20.5563, 15.9032



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.1950, 62.0599, 21.6460



70.1391, 89.0210, 23.5655



37.9342, 55.7392, 21.0722



13.2730, 14.4169, 13.2439



26.0536, 35.0075, 5.3839



1.6240, 2.1386, 0.3272

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.6584, 18.1888, 67.1806



29.2434, 18.6461, 96.6655



34.8985, 23.4677, 67.6599



11.9219, 12.1011, 15.6449



7.7818, 3.1642, 38.6538



0.5275, 0.2208, 2.3341

Previews

White Background



This preview shows how the XYZ color 50.1935, 62.0571, 21.6447 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 50.1935, 62.0571, 21.6447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

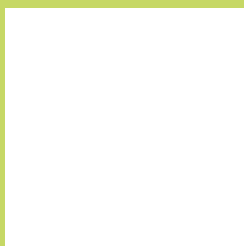
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1935, 62.0571, 21.6447

Background



This preview shows how black text looks on a background with the XYZ color 50.1935, 62.0571, 21.6447.



This preview shows how white text looks on a background with the XYZ color 50.1935, 62.0571,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.1935, 62.0571, 21.6447

Protanopia

56.2708, 61.5184, 20.4637

Deuteranopia

62.8495, 61.4031, 22.1751



Tritanopia

61.0061, 61.6752, 75.7070

Trichromacy



Original Color

50.1935, 62.0571, 21.6447

Protanomaly

53.9140, 61.7458, 20.8809

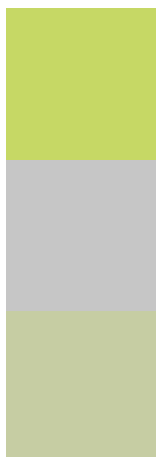
Deuteranomaly

57.4589, 61.0350, 21.8492

Tritanomaly

55.8459, 61.3682, 49.9761

Monochromacy



Original Color

50.1935, 62.0571, 21.6447

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.7309, 58.3128, 43.1793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1935, 62.0571, 21.6447 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(198, 216, 101)` looks like.

```
.text, #text, p{  
    color:rgb(198, 216, 101)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(198, 216, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 216, 101) }
```

Border

The CSS property to change the border of an element to XYZ 50.1935, 62.0571, 21.6447 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 216, 101) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(198, 216, 101) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(198, 216, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 216, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 216, 101);  
box-shadow:4px 4px 4px 4px rgb(198, 216,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1935, 62.0571, 21.6447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 216, 101) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(198,  
216, 101) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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